



# STANDARD POWER RELAYS



Active

3D PDF

## TE CONNECTIVITY (TE) T9AS1D12-12 Potter & Brumfield | T9A

T9AS1D12-12  
TE Internal Number: 1-1393210-3

Converted to EU RoHS but not ELV Compliant  
[Find Compliant Alternatives](#)

Contact Current Rating (A) **30**

Coil Power Rating (DC) (mW) **1000**

Insulation Clearance Class **2.5 – 4mm**

Insulation Creepage Class **5.5 – 8mm**

Terminal Type **PCB-THT**

### CAD Files

#### 3D PDF

PDF  
3D

#### Customer View Model

2D\_DXF.ZIP  
English

#### Customer View Model

3D\_IGS.ZIP  
English

#### Customer View Model

3D\_STP.ZIP  
English

### Catalog Pages/Data Sheets

#### T9A DC Coil 30 Amp PC Board Or Panel Mount Relay

PDF  
English

### Product Specifications

#### Product Specification

#### Definitions Relays

PDF  
English

### Product Environmental Compliance

#### TE Material Declaration

#### MD\_1-1393210-3\_100820152231\_dmtec

PDF  
English

Please review product documents or [contact us](#) for the latest agency approval information.

#### Product Type Features

Product Type

Relay

Relay Type

PCB Relay

## Electrical Characteristics

Coil Power Rating (DC) (mW)	<b>1000</b>
Insulation Creepage Class	<b>5.5 – 8mm</b>
Coil Voltage Rating (VDC)	<b>12</b>
Contact Voltage Rating (VAC)	<b>277</b>
Contact Switching Voltage (Max) (VAC)	<b>277</b>
Contact Limiting Breaking Current (A)	<b>30</b>
Coil Special Features	<b>UL Coil Insulation Class F</b>
Contact Limiting Continuous Current (A)	<b>30</b>
Coil Magnetic System	<b>Monostable, DC</b>
Contact Limiting Short-Time Current (A)	<b>30</b>
Insulation Creepage Between Contact and Coil	<b>6.36 mm [ .25 in ]</b>
Insulation Initial Resistance (MΩ)	<b>1000</b>
Coil Resistance (Ω)	<b>144</b>
Contact Limiting Making Current (A)	<b>30</b>
Contact Switching Load (Min)	<b>1000mA @ 5V</b>
Insulation Initial Dielectric Between Open Contacts (Vrms)	<b>1500</b>
Insulation Initial Dielectric Between Contacts and Coil (Vrms)	<b>2500</b>
Coil Power Rating Class	<b>800 – 1000 mW</b>
Insulation Initial Dielectric Between Coil/Contact Class	<b>1500 V – 2500 VA</b>

## Body Features

Insulation Special Features	<b>6000V Initial Surge Withstand Voltage between Contacts &amp; Coil</b>
Weight	<b>26 g [ .918 oz ]</b>

## Contact Features

Contact Current Rating (A)	<b>30</b>
Terminal Type	<b>PCB-THT</b>
Contact Arrangement	<b>1 Form A (NO)</b>
Contact Number of Poles	<b>1</b>
Contact Material	<b>AgCdO</b>
Contact Current Class	<b>20 – 30 A, Greater Than 16A</b>

## Mechanical Attachment

Mounting Type	<b>Printed Circuit Board</b>
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## Dimensions

Insulation Clearance Class	<b>2.5 – 4mm</b>
Length Class (Mechanical) (mm)	<b>30 – 35</b>
Length	<b>32.5 mm [ 1.281 in ]</b>

Height Class (Mechanical) (mm)	<b>20 – 25</b>
Height	<b>20.4 mm [ .803 in ]</b>
Insulation Clearance Between Contact and Coil	<b>3.18 mm [ .125 in ]</b>
Width Class (Mechanical) (mm)	<b>25 – 30</b>
Width	<b>27.4 mm [ 1.079 in ]</b>

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Usage Conditions

Environmental Category of Protection	<b>RTIII</b>
Environmental Ambient Temperature (Max)	<b>85 °C [ 185 °F ]</b>
Environmental Ambient Temperature Class	<b>70 – 85°C</b>

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Packaging Features

Packaging Method	<b>Tray, Tray/Box</b>
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Product Compliance

[Statement of Compliance](#)  
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)